

# Buckthorn Control Options

	Control Activity	Appropriate To	Pros	Cons	Tools	Process
1	Hand Pull sprouts and Seedlings	Back yard, small plots	No \$\$ Outlay	Slow, could injure back	Gloves	Pull plants 3/8" or smaller Best in moist, loose soils
2	Black plastic for cover/kill	Backyard, small plots	Low \$\$ Outlay	Slow, plastic debris	Black plastic, saw, lopper	Cut near ground level, cover with plastic, anchor edges to keep out light
3	Tin cans for cover/kill	Backyard, small plots	No \$\$ outlay	Slow, metal debris	Empty tin cans	Cut near ground level, place can over stump and press into soil, tamp edges
4	Tordon RTU (Picloram) Cut & Kill	Fresh cut surfaces	Modest cost, unrestricted chemical	Long half-life flashback to other plants	Saw, loppers, weed wand, Spray bottle	Spray or squirt herbicide onto <b>perimeter</b> of newly cut surfaces
5	Glyphosate - 20% active ingredient Cut / Kill	Fresh cut surfaces	Modest cost, Unrestricted chemical	Non-selective	Saw, loppers, weed wand, spray bottle	Spray or squirt herbicide onto <b>perimeter</b> of newly cut surfaces
6	Kill standing stems With Triclopyr Garlon4(TM) ULV basal spray. Wand at <a href="http://www.arborchem.com">www.arborchem.com</a>	Larger plots	Fast on stems to 6" Very effective, Low toxicity	Expensive spray wand, expensive chemical	Ultra low volume spayer/wand with 13% Triclopyr in diluent (Garlon4)	Wet bark with ULV sprayer. One side ground up 6" to 1" dia., scale up to all around and up 18" for up to 6" diameter
7	Pull out of ground with special tool	Large yards, small plots, tool sharing	No chemicals	Expensive tools, slow	Root Talon(TM) or Weed Wrench(TM)	Engage tool with buckthorn and lever out. 3/8" to 2" max
8	Cut with Chain saw	Large stems	Fast on large stems 1" & up. Must kill stumps	Dangerous, noisy, high maintenance costly	Chain saw, eye & ear protection, helmet, chaps, steel toed boots, gloves	Cut stems and treat with herbicide of choice. Use 13% Garlon4 if treatment is not right after cutting
9	Cut with Brush cutter	Larger plots	Fast on stems to 2." Must kill stumps	Noisy, blade damage from stones, costly	Brush cutter, eye & ear protection, helmet, steel toed boots, gloves	Cut stems and treat with herbicide of choice. Use 13% Garlon4 if treatment is not right after cutting
10	Drag out, load and haul away cut stems	Small to med. area. Esthetic consideration	Makes site look neat	Very costly in hours, hauling and disposal	Lots of workers, trucks, brush dump	Drag and pile in loading areas for transport to brush dump or burn area
11	Leave cut stems lying about	Less sensitivity to esthetics	Cheap	Messy, hard to do follow up work	None	None - avoid where slash would cause tripping hazard
12	Drag to open areas and burn in winter	Need open areas nearby	Makes site neat, moderate labor	Piles of brush, drag out in late fall	Burning permit	Focus on ULV kills in spring, cut & pile in fall, burn in winter
13	HerbiFlex Controlled Droplet Applicator (CDA) to control resprouts ( <a href="http://www.bubco.com">www.bubco.com</a> )	Medium area, maintenance to treat new sprouts and seedlings	Low labor and chemical use for medium sized areas	Late fall only	Mist wand and herbicide, safety equipment	Use on leaves in late fall. Non selective herbicides will not harm dormant native species. (KreniteS, Garlon3, Roundup(TMs))
14	Mist Blower with Electrostatic Attachment. to control resprouts	Large area maintenance, to treat new seedlings	Low labor and chemical use for large areas	Late fall only, drift, control of passers-by, cost	Cost of mist blower, electrostatic accessory and safety equipment	Use in late fall. Non selective herbicides will not harm dormant native species (see above)

\*\*\*Glyphosate is now available in products other than Roundup(TM). Trade names for products containing glyphosate include Gallup, Landmaster, Pondmaster, Ranger, Roundup, Rodeo, and Touchdown(TMs). It may be used in formulations with other herbicides.. \*\*\*Garlon 4 has 65% oil soluble triclopyr. Dilute 4:1 with Diluent Blue, kerosene or diesel for 13% ULV application to bark. \*\*\*Garlon 3 has water soluble form of triclopyr for foliar application !!!Hazardous to eyes!!! Lot of info on the www; search using [www.dogpile.com](http://www.dogpile.com)